

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/823, 006  
Source: TFW0  
Date Processed by STIC: 05/24/2005

***ENTERED***



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/823,006

DATE: 05/24/2005

TIME: 13:17:45

Input Set : N:\Crf3\RULE60\10823006.raw  
 Output Set: N:\CRF4\05242005\J823006.raw

1 <110> APPLICANT: Cochran, Andrea G.  
 2 Starovasnik, Melissa A.  
 3 Skelton, Nicholas  
 4 <120> TITLE OF INVENTION: HAIRPIN PEPTIDES WITH A NOVEL STRUCTURAL MOTIF AND  
 5 METHODS RELATING THERETO  
 6 <130> FILE REFERENCE: P1875  
 7 <140> CURRENT APPLICATION NUMBER: US/10/823,006  
 C--> 8 <141> CURRENT FILING DATE: 2004-04-12  
 9 <150> PRIOR APPLICATION NUMBER: US/09/836,770  
 10 <151> PRIOR FILING DATE: 2001-04-17  
 11 <160> NUMBER OF SEQ ID NOS: 16  
 13 <210> SEQ ID NO: 1  
 14 <211> LENGTH: 12  
 15 <212> TYPE: PRT  
 16 <213> ORGANISM: Artificial Sequence  
 17 <220> FEATURE:  
 18 <223> OTHER INFORMATION: Peptide  
 19 <400> SEQUENCE: 1  
 20       Ser Trp Thr Trp Glu Gly Asn Lys Trp Thr Trp Lys  
 21           1               5                           10  
 23 <210> SEQ ID NO: 2  
 24 <211> LENGTH: 12  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Artificial Sequence  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Peptide  
 29 <400> SEQUENCE: 2  
 30       Ser Trp Thr Trp Glu Asn Gly Lys Trp Thr Trp Lys  
 31           1               5                           10  
 33 <210> SEQ ID NO: 3  
 34 <211> LENGTH: 12  
 35 <212> TYPE: PRT  
 36 <213> ORGANISM: Artificial Sequence  
 37 <220> FEATURE:  
 38 <223> OTHER INFORMATION: Peptide; Pro at position 6 is D-Pro  
 39 <400> SEQUENCE: 3  
 40       Ser Trp Thr Trp Glu Pro Asn Lys Trp Thr Trp Lys  
 41           1               5                           10  
 43 <210> SEQ ID NO: 4  
 44 <211> LENGTH: 16  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Streptococcus  
 47 <220> FEATURE:

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/823,006

DATE: 05/24/2005

TIME: 13:17:45

Input Set : N:\Crf3\RULE60\10823006.raw  
Output Set: N:\CRF4\05242005\J823006.raw

W--> 48 <221> NAME/KEY: **Streptococcus**  
49 <222> LOCATION: Full  
50 <223> OTHER INFORMATION: The 41-56 residue fragment of the protein G B1 domain  
51 <400> SEQUENCE: 4  
52 Gly Glu Trp Thr Tyr Asp Asp Ala Thr Lys Thr Phe Thr Val Thr  
53 1 5 10 15  
54 Glu  
56 <210> SEQ ID NO: 5  
57 <211> LENGTH: 16  
58 <212> TYPE: PRT  
59 <213> ORGANISM: Artificial Sequence  
60 <220> FEATURE:  
61 <223> OTHER INFORMATION: Peptide  
62 <400> SEQUENCE: 5  
63 Gly Glu Trp Thr Trp Asp Asp Ala Thr Lys Thr Trp Thr Trp Thr  
64 1 5 10 15  
65 Glu  
67 <210> SEQ ID NO: 6  
68 <211> LENGTH: 16  
69 <212> TYPE: PRT  
70 <213> ORGANISM: Artificial Sequence  
71 <220> FEATURE:  
72 <223> OTHER INFORMATION: Peptide  
73 <400> SEQUENCE: 6  
74 Gly Glu Trp Thr Tyr Asp Asp Ala Thr Lys Thr Phe Thr Trp Thr  
75 1 5 10 15  
76 Glu  
78 <210> SEQ ID NO: 7  
79 <211> LENGTH: 16  
80 <212> TYPE: PRT  
81 <213> ORGANISM: Artificial Sequence  
82 <220> FEATURE:  
83 <223> OTHER INFORMATION: Peptide  
84 <400> SEQUENCE: 7  
85 Gly Glu Trp Thr Trp Asp Asp Ala Thr Lys Thr Trp Thr Val Thr  
86 1 5 10 15  
87 Glu  
89 <210> SEQ ID NO: 8  
90 <211> LENGTH: 16  
91 <212> TYPE: PRT  
92 <213> ORGANISM: Artificial Sequence  
93 <220> FEATURE:  
94 <223> OTHER INFORMATION: Peptide  
95 <400> SEQUENCE: 8  
96 Gly Glu Trp His Trp Asp Asp Ala Thr Lys Thr Trp Val Trp Thr  
97 1 5 10 15  
98 Glu  
100 <210> SEQ ID NO: 9  
101 <211> LENGTH: 16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/823,006

DATE: 05/24/2005

TIME: 13:17:45

Input Set : N:\Crf3\RULE60\10823006.raw  
Output Set: N:\CRF4\05242005\J823006.raw

102 <212> TYPE: PRT  
103 <213> ORGANISM: Artificial Sequence  
104 <220> FEATURE:  
105 <223> OTHER INFORMATION: Peptide  
106 <400> SEQUENCE: 9  
107 Gly Glu Trp Val Trp Asp Asp Ala Thr Lys Thr Trp His Trp Thr  
108 1 5 10 15  
109 Glu  
111 <210> SEQ ID NO: 10  
112 <211> LENGTH: 16  
113 <212> TYPE: PRT  
114 <213> ORGANISM: Artificial Sequence  
115 <220> FEATURE:  
116 <223> OTHER INFORMATION: Peptide  
117 <400> SEQUENCE: 10  
118 Gly Glu Trp Val Trp Asp Asp Ala Thr Lys Thr Trp Val Trp Thr  
119 1 5 10 15  
120 Glu  
122 <210> SEQ ID NO: 11  
123 <211> LENGTH: 6  
124 <212> TYPE: PRT  
125 <213> ORGANISM: Artificial Sequence  
126 <220> FEATURE:  
127 <223> OTHER INFORMATION: Peptide  
128 <220> FEATURE:  
129 <221> NAME/KEY: MISC\_FEATURE  
130 <222> LOCATION: (2)  
131 <223> OTHER INFORMATION: Xaa can be any amino acid  
132 <220> FEATURE:  
133 <221> NAME/KEY: MISC\_FEATURE  
134 <222> LOCATION: (5)  
135 <223> OTHER INFORMATION: Xaa can be any amino acid  
136 <400> SEQUENCE: 11  
W--> 137 Cys Xaa Pro Gly Xaa Cys  
138 1 5  
140 <210> SEQ ID NO: 12  
141 <211> LENGTH: 11  
142 <212> TYPE: PRT  
143 <213> ORGANISM: Artificial Sequence  
144 <220> FEATURE:  
145 <223> OTHER INFORMATION: Peptide  
146 <400> SEQUENCE: 12  
147 Cys Gly Val Ser Arg Gln Gly Lys Pro Tyr Cys  
148 1 5 10  
150 <210> SEQ ID NO: 13  
151 <211> LENGTH: 18  
152 <212> TYPE: PRT  
153 <213> ORGANISM: Artificial Sequence  
154 <220> FEATURE:

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/823,006

DATE: 05/24/2005

TIME: 13:17:45

Input Set : N:\Crf3\RULE60\10823006.raw  
Output Set: N:\CRF4\05242005\J823006.raw

155 <223> OTHER INFORMATION: Peptide  
156 <400> SEQUENCE: 13  
157       Cys Ala Gly Phe Met Arg Ile Arg Gly Arg Ile His Pro Leu Cys Met Arg Arg  
158        1                   5                   10                   15  
160 <210> SEQ ID NO: 14  
161 <211> LENGTH: 6  
162 <212> TYPE: PRT  
163 <213> ORGANISM: Artificial Sequence  
164 <220> FEATURE:  
165 <223> OTHER INFORMATION: Peptide  
166 <400> SEQUENCE: 14  
167       Ser Trp Thr Trp Glu Gly  
168        1                   5  
170 <210> SEQ ID NO: 15  
171 <211> LENGTH: 6  
172 <212> TYPE: PRT  
173 <213> ORGANISM: Artificial Sequence  
174 <220> FEATURE:  
175 <223> OTHER INFORMATION: Peptide  
176 <400> SEQUENCE: 15  
177       Asn Lys Trp Thr Trp Lys  
178        1                   5  
180 <210> SEQ ID NO: 16  
181 <211> LENGTH: 4  
182 <212> TYPE: PRT  
183 <213> ORGANISM: Artificial Sequence  
184 <220> FEATURE:  
185 <223> OTHER INFORMATION: Peptide  
186 <400> SEQUENCE: 16  
187       Glu Gly Asn Lys  
188        1

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/24/2005  
PATENT APPLICATION: US/10/823,006 TIME: 13:17:46

Input Set : N:\CrF3\RULE60\10823006.raw  
Output Set: N:\CRF4\05242005\J823006.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; Xaa Pos. 2,5

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/10/823,006**

DATE: 05/24/2005

TIME: 13:17:46

Input Set : N:\Crf3\RULE60\10823006.raw

Output Set: N:\CRF4\05242005\J823006.raw

L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:48 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4

L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0